

Highly Active Iridium Catalysts for the Hydrogenation of Ketones and Aldehydes†

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Electronic supplementary information

Table S1. Hydrogenation of acetophenone catalyzed by **1**/KO^tBu and **2** in methanol at 25 °C. [ketone]_{initial} = 1.67M; H₂ = 10 atm.; [catalyst] = 1.8 x 10⁻³ M.

entry	time (min)	conv (%)	
		1 /KO ^t Bu	2
1	0	0	0
2	10	23	37
3	20	40	61
4	30	55	81
5	40	75	91
6	50	89	96.5
7	60	94	97
8	70	96	99
9	80	98	99
10	90	99.5	99.5

^aA weighed amount of the catalyst dissolved in methanol was added to a solution of the substrate in methanol and the mixture was stirred under hydrogen gas. Aliquots of the reaction mixture was withdrawn at various time intervals and analyzed by GC.
